EPA

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION	SITE NUMBER (to be assigned by Hq)
VI	TX2909

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II *(Preliminary Assessment)*. File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION TXD980750533

A. SITE NAME: CONROE FIELD-EXXON CORP INJECTION WELLS formerly COCKFIELD CO.

B. STREET (or other identifier): Route 4, Box 1275

C. CITY: Conroe

D. STATE: TX

E. ZIP CODE: 77302

F. COUNTY NAME: Montgomery

G. OWNER/OPERATOR (if known)

1. NAME: Exxon Corp/Mr. Charles T. Kellar, Jr., Field Superintendent

2. TELEPHONE NUMBER: Bus.(713)656-2205 Res.(713)756-6970

H. TYPE OF OWNERSHIP

[ ] 1. FEDERAL [ ] 2. STATE [ ] 3. COUNTY [ ] 4. MUNICIPAL [X] 5. PRIVATE [ ] 6. UNKNOWN

I. SITE DESCRIPTION: Seven brine injection wells (see attachments for approximate depths) and an oil separation facility, formerly owned by the Cockfield Company, Houston, Texas.

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.): Wapora File D

K. DATE IDENTIFIED (mo., day, & yr.):

L. PRINCIPAL STATE CONTACT

1. NAME: Paul Stagg, Texas Railroad Commission, P. O. Box 10783, Houston, Texas 77018

2. TELEPHONE NUMBER: (713)388-3461

II. PRELIMINARY ASSESSMENT *(complete this section last)*

A. APPARENT SERIOUSNESS OF PROBLEM

[ ] 1. HIGH [ ] 2. MEDIUM [ ] 3. LOW [X] 4. NONE [ ] 5. UNKNOWN

B. RECOMMENDATION

[X] 1. NO ACTION NEEDED (no hazard)

[ ] 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

[ ] 3. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

[ ] 4. SITE INSPECTION NEEDED *(low priority)*

This update EPA Form T2070-2 submitted on September 24, 1980.

C. PREPARER INFORMATION

1. NAME: Bill Carrothers, Ecology & Environment, Inc.

2. TELEPHONE NUMBER: (214)742-4521

3. DATE (mo., day, & yr.): Dec. 15, 1980

III. SITE INFORMATION

A. SITE STATUS

[X] 1. ACTIVE *(Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)*

[ ] 2. INACTIVE *(Those sites which no longer receive wastes.)*

[ ] 3. OTHER (specify): *(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)*

SUPERFUND FILE

B. IS GENERATOR ON SITE?

[ ] 1. NO [X] 2. YES (specify generator's four-digit SIC Code): 4953*

*Generators of wastes vary in distance from ½ - 7 miles from site.

NOV 18 1992

REORGANIZED

C. AREA OF SITE (in acres): approx. 100

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE (deg.-min.-sec.): 30° 15' 00" N

2. LONGITUDE (deg.-min.-sec.): 95° 22' 30" W

E. ARE THERE BUILDINGS ON THE SITE?

[ ] 1. NO [X] 2. YES (specify): Office, pipeyard, pumping stations and tanks.

T2070-2 (10-79)

Continue On Reverse

90126000

Continued From Front

IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

A. TRANSPORTER	B. STORER	C. TREATER	D. DISPOSER
1. RAIL	1. PILE	1. FILTRATION	1. LANDFILL
2. SHIP	2. SURFACE IMPOUNDMENT	2. INCINERATION	2. LANDFARM
3. BARGE	3. DRUMS	3. VOLUME REDUCTION	3. OPEN DUMP
4. TRUCK	4. TANK, ABOVE GROUND	4. RECYCLING/RECOVERY	4. SURFACE IMPOUNDMENT
X 5. PIPELINE	5. TANK, BELOW GROUND	5. CHEM./PHYS. TREATMENT	5. MIDNIGHT DUMPING
6. OTHER (specify)	X 6. OTHER (specify): Pond for oil skimming and recovery ONE BLOWOUT PIT ADJACENT TO EACH INJECTION WELL.	6. BIOLOGICAL TREATMENT	6. INCINERATION
		7. WASTE OIL REPROCESSING	X 7. UNDERGROUND INJECTION
		8. SOLVENT RECOVERY	8. OTHER (specify):
		9. OTHER (specify):	

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

Cockfield Company employed eight people, and injected about 60,000 barrels per day of brine. These injection wells were sold to the Exxon Company, Conroe Field in 1978. Current usage rate remains the same.

V. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1. UNKNOWN ☒ 2. LIQUID ☐ 3. SOLID ☐ 4. SLUDGE ☐ 5. GAS

B. WASTE CHARACTERISTICS

☐ 1. UNKNOWN ☒ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4. RADIOACTIVE ☐ 5. HIGHLY VOLATILE
☐ 6. TOXIC ☐ 7. REACTIVE ☐ 8. INERT ☐ 9. FLAMMABLE

☒ 10. OTHER (specify) Oil Field Brine.

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below. Monthly volumes of brine injected are kept for each injection well. This information is submitted to the Texas Railroad Commission on a monthly basis.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT: Brine
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE: 60,000 Bbls/day
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	X (5) OTHER (specify): Salt water brine.
			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify)		

Continue On Page 3

Continued From Page 2

V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard)

Crude oil residue/salt water brine.

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

Old site had a ballast/overflow pond covering about 2-½ acres that became covered with crude oil brine residue. This pond is being drained and restored by Exxon. Additionally, there is a BLOWOUT PIT ADJACENT to each injection well approximately ½ acre in size. During the inspection, these

VI. HAZARD DESCRIPTION

appeared to be relatively free of oil. (SEE PHOTO #447)

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD	X			
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify)				

Continued From Front

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

☐ 1. NPDES PERMIT ☒ 2. SPCC PLAN ☒ 3. STATE PERMIT *(specify)*: TRRC permits for salt water injection.
☐ 4. AIR PERMITS ☐ 5. LOCAL PERMIT ☐ 6. RCRA TRANSPORTER
☐ 7. RCRA STORER ☐ 8. RCRA TREATER ☐ 9. RCRA DISPOSER

☐ 10. OTHER *(specify)*: _____

B. IN COMPLIANCE?

☒ 1. YES ☐ 2. NO ☐ 3. UNKNOWN

4. WITH RESPECT TO *(list regulation name & number)*: _____

VIII. PAST REGULATORY ACTIONS

☒ A. NONE ☐ B. YES *(summarize below)*

IX. INSPECTION ACTIVITY *(past or on-going)*

☐ A. NONE ☒ B. YES *(complete items 1, 2, 3, & 4 below)*

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION *(mo., day, & yr.)*	3. PERFORMED BY: *(EPA/State)*	4. DESCRIPTION
Pressure check of disposal well		State	Performed each year
Pressure check of surface pipe		State	Performed each month

X. REMEDIAL ACTIVITY *(past or on-going)*

☒ A. NONE ☐ B. YES *(complete items 1, 2, 3, & 4 below)*

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION *(mo., da., & yr.)*	3. PERFORMED BY: *(EPA/State)*	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment *(Section II)* information on the first page of this form.


Grants Lake
Slough
SAN
JACINTO
RIVER
Branch
Old
Bogg
Crystal
Creek

PORTER ROAD


CONROE OIL FIELD
TEXAS 1314
PORTER ROAD
PIPELINE


CONROE OIL FIELD
EXXON-
CONROE FIELD HQ.

TEXAS WATER QUALITY BOARD

1300 NORTH CONGRESS AVE. 78701
P.O. BOX 13246 CAPITOL STATION 78711
AUSTIN, TEXAS

July 24, 1974

RE: Application to Dispose of Salt Water
by Injection, Exxon Corporation,
Conroe SWD System 2 Well No. 10,
C. T. Darby Survey, A-752
Montgomery County (D-26)

Exxon Corporation
P. O. Box 2443
Houston, Texas 77001

Gentlemen:

We have reviewed the above-referenced application for a Railroad Commission permit to dispose of produced salt water into subsurface strata in the interval from 2050 to 3600 feet. This program offers no predictable hazard to usable-water resources provided all boreholes penetrating the injection interval in the area of this well are adequately cased and cemented, or plugged below all strata containing usable groundwater. Groundwater considered to be of usable quality occurs to a subsurface depth of approximately 1600 feet in the area of this well.

According to information contained in the application, the well will be cased and completed with 13 3/8 inch O.D. surface casing set at 300 feet with cement circulated to the surface; 9 5/8 inch O.D. intermediate casing set at 1000 feet with cement circulated to the surface, and 7 inch O.D. long string casing set at 3600 feet with cement circulated to the surface. Injection will be through 4 1/2 inch tubing set in a packer at 2050 feet.

Very truly yours,

Robert B. Hill, Chief
Geological Services
JWB/fp
cc + encl.: Railroad Commission of Texas
cc: Water Quality Board District 7

TEXAS WATER QUALITY BOARD

1700 NORTH CONGRESS AVE. 78701
P.O. BOX 13246 CAPITOL STATION 78711
AUSTIN, TEXAS

CEJ cc 2

March 13, 1974

RE: Application to Dispose of Salt Water by Injection, Exxon Corporation, Conroe SWD System 2, Well No. 9, Theo Slade Survey, A-500, Montgomery County
(D-22)

Exxon Corporation
Box 2443
Houston, Texas 77001

Gentlemen:

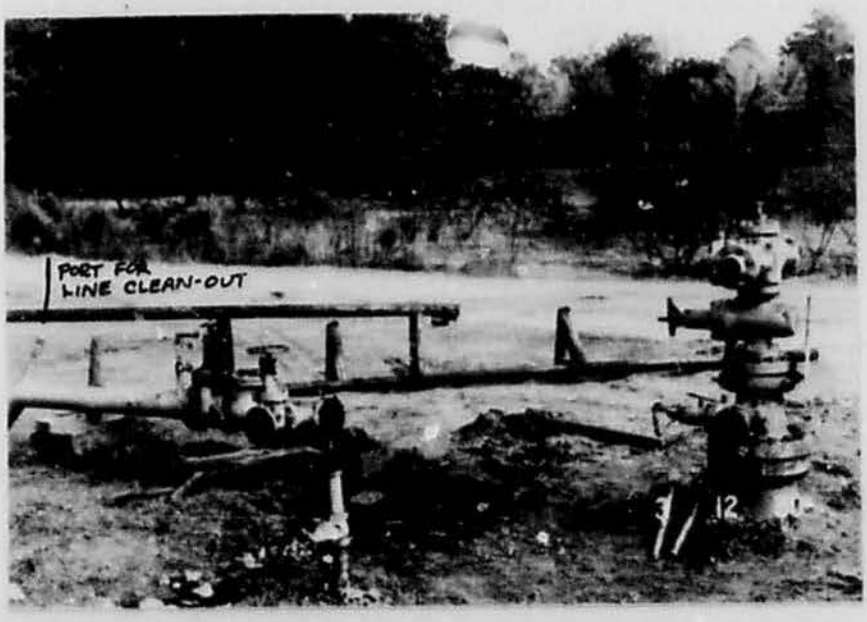
We have reviewed the above-referenced application for a Railroad Commission permit to dispose of produced salt water into subsurface strata in the interval from 2,300 to 3,800 feet. This program offers no predictable hazard to usable-water resources provided all boreholes penetrating the injection interval in the area of this well are adequately cased and cemented, or plugged below all strata containing usable groundwater. Groundwater considered to be of usable quality occurs to a subsurface depth of approximately 1,800 feet in the area of this well.

According to information contained in the application, the well is cased and completed with 10 3/4 inch O.D. surface casing set at 985 feet with cement calculated at 498 feet and 7 inch O.D. long string casing set at 5,020 feet with top of cement calculated at 3,504 feet. A cement squeeze operation will be performed at 2,275 feet with 75 sacks of cement. Injection will be through 4 1/2 inch tubing set in a packer at 2,300 feet.

Very truly yours,

Robert B. Hill, Chief
Geological Services

RTK/fp
cc + encl.: Railroad Commission of Texas
cc: WQB District 7



Photographer / Witness (1)

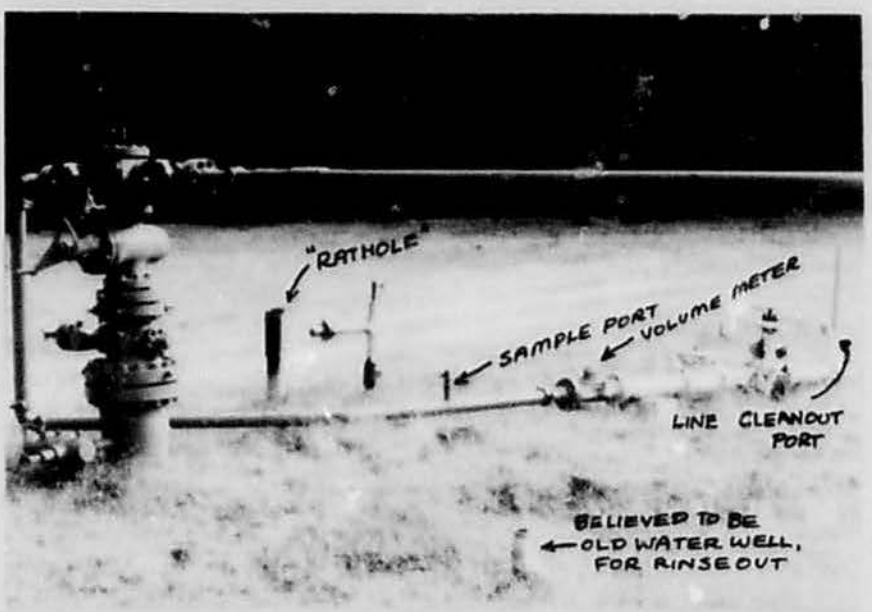
CARROTHERS / RAY, H.K

Date / Time / Direction

3/12/80 / 1100 hrs.

Comments: WELL 68-D

New Christmas Tree has just been installed. This was the last well to be converted.



Photographer / Witness (2)

B. CARROTHERS / RAY, H.K.

Date / Time / Direction

3/12/80 - 1115 hrs.

Comments: WELL 66D "RATHOLE" IS A SINGLE SECTION OF PIPE, USED FOR RESTING DRILLBIT DURING DRILLING OPERATIONS.

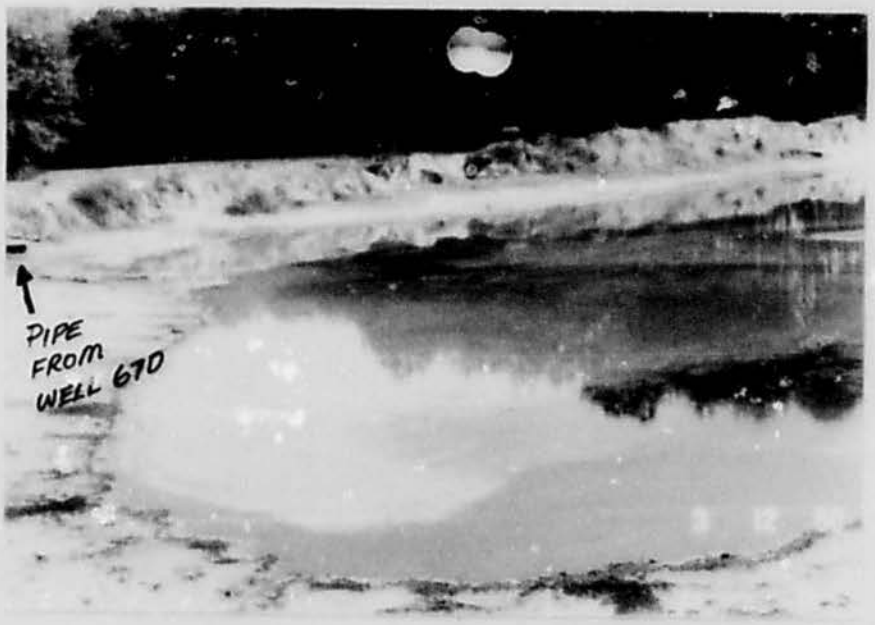
Photographer / Witness (3)

B. CARROTHERS / RAY, H.K.

Date / Time / Direction

3/12/80 / 1117 hrs.

Comments: WELL 67D.



Photographer / Witness (4)

B. CARROTHERS / H.K. RAY

Date / Time / Direction

DEC. 3, 1980 / 1120 hrs

Comments: BLOWOUT PIT FOR WELL 67D. LAKE AREA IS ABOUT ½ ACRE, DEPTH ~ 3 FT.

Photographer / Witness (5)

B. CARROTHERS / H.K. RAY

Date / Time / Direction

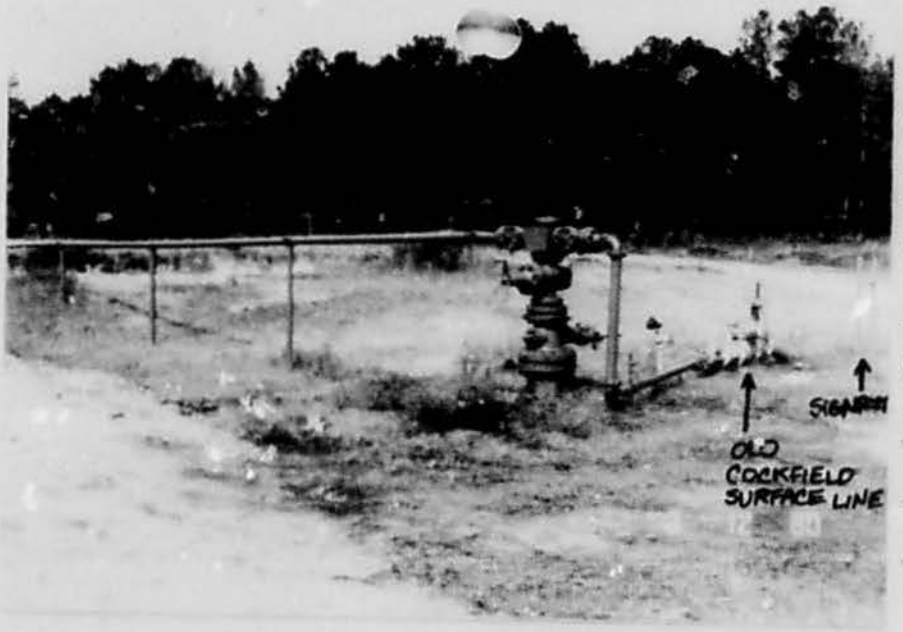
DEC 3, 1980 / 1126 hrs.

Comments: WELL 69 D. "CLOSE-UP" OF NEW TYPE TREE, WHICH PERMITS BETTER SHUT-IN PRESSURE TESTING.

Photographer / Witness

Date / Time / Direction

Comments:



Photographer / Witness (6)

B. CARROTHERS / H.K. RAY

Date / Time / Direction

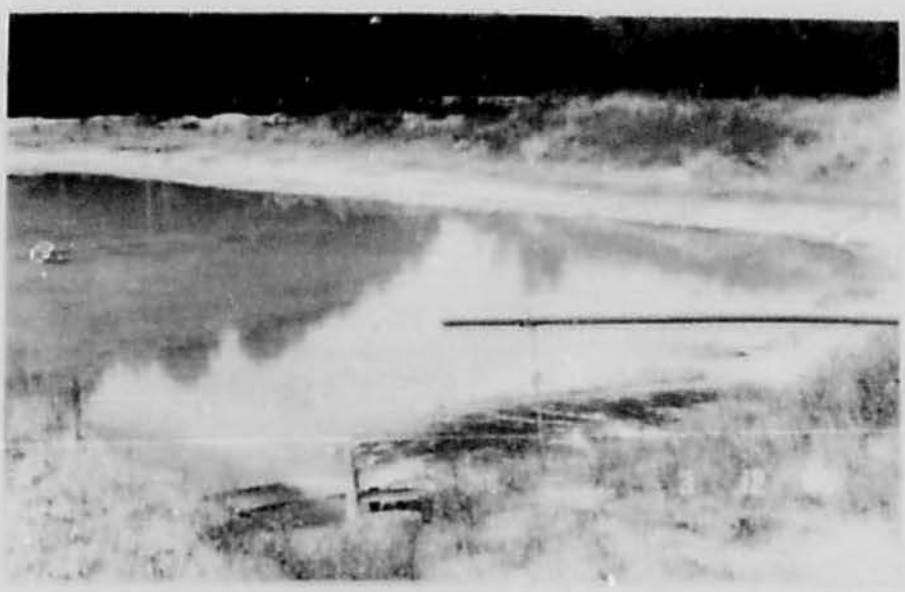
DEC. 3, 1980 / 1130 HRS.

Comments: WELL 70 D

Photographer / Witness

Date / Time / Direction

Comments:



Photographer / Witness (7)

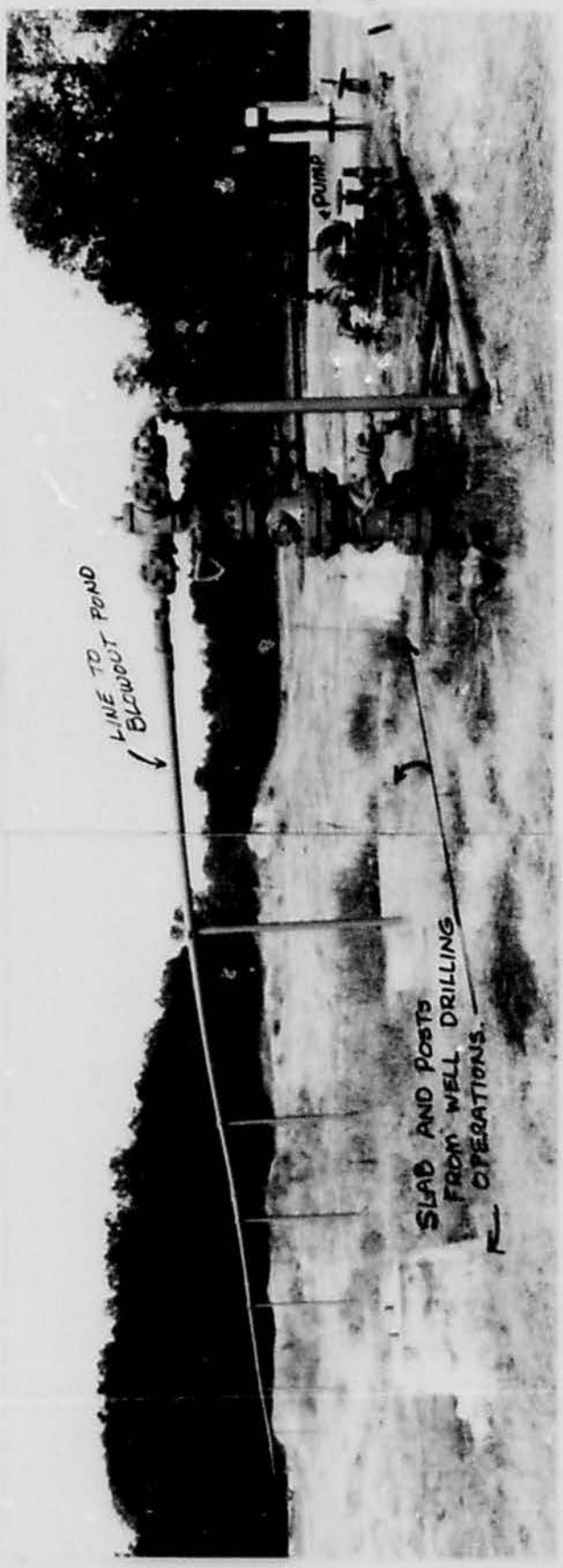
B. CARROTHERS / H.K. RAY

Date / Time / Direction

DEC. 3, 1980 /

Comments: BLOWOUT POND FOR

WELL NO. 71 D



Photographer / Witness (8)

B. CARROTHERS / H.K. RAY

Date / Time / Direction

DEC. 8, 1980 / 1126 hrs.

Comments: WELL NO. 71D. PUMP IS TO MAINTAIN LINE PRESSURE.

Photographer / Witness

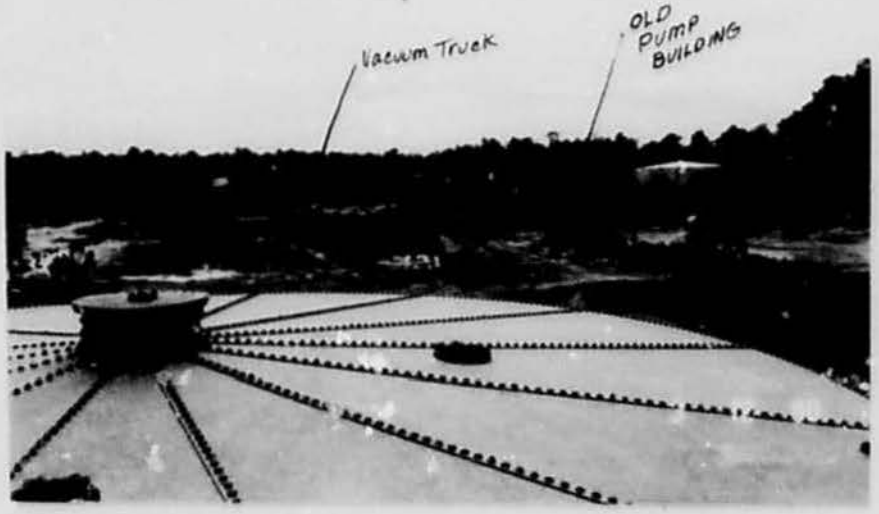
Date / Time / Direction

Comments:

Photographer / Witness

Date / Time / Direction

Comments:



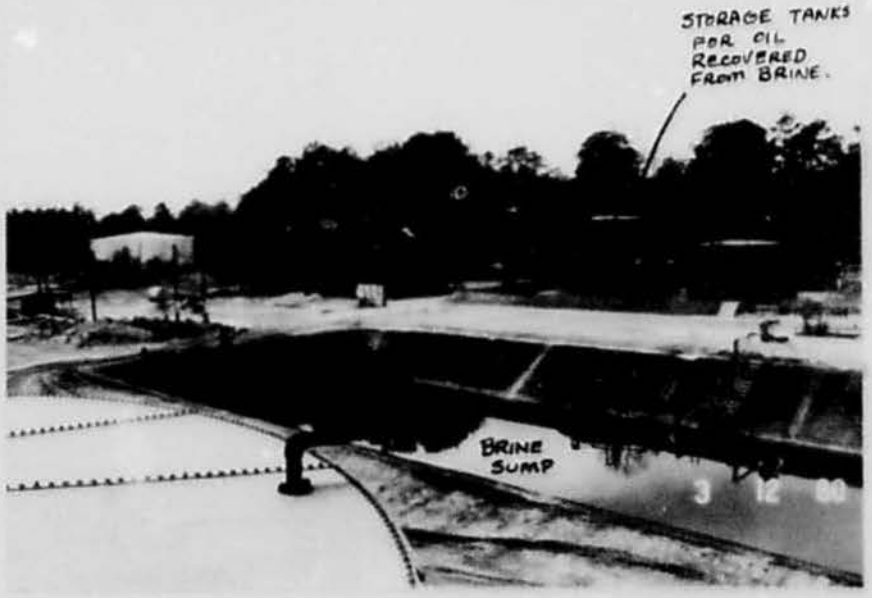
Photographer / Witness (9)

B. CARROTHERS / H.K. RAY

Date / Time / Direction

DEC. 3, 1980 / 1137 hrs. / South

Comments: Photos 9, 10, and 11 are a South to Northwest panorama of the oil recovery operations, where the old overflow pit is being reclaimed.



Photographer / Witness (10)

B. CARROTHERS / H.K. RAY

Date / Time / Direction

DEC. 3, 1980 / 1137 hrs. / Southwest

Comments:

Photographer / Witness (11)

B. CARROTHERS / H.K. RAY

Date / Time / Direction

DEC. 3, 1980 / 1137 hrs / Northwest

Comments:

Photographer / Witness (12)

B. CARROTHERS / H.K. RAY

Date / Time / Direction

DEC. 3, 1980 / 11 40 HRS. / NORTH

Comments: VIEW OF THE AREA BEING RECLAIMED, LOOKING BACK TOWARD THE TANK AND SUMP AREAS.

Photographer / Witness (13)

B. CARROTHERS / H.K. RAY

Date / Time / Direction

DEC 3, 1980 / 11:42 / SOUTH

Comments: VIEW OF THE AREA OF THE OLD SLUDGE POND.

Photographer / Witness

Date / Time / Direction

Comments: